

INTERNATIONAL SEARCH REPORT

International Application No
PCT, IB2004/001961

A. CLASSIFICATION OF SUBJECT MATTER			
IPC 7	G11B20/10	G11B27/034	G11B27/30
			H04N5/782

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 577 812 B1 (MIMURA HIDEKI ET AL) 10 June 2003 (2003-06-10) column 29, line 3 - line 36 column 43, line 63 - column 65, line 35; figures 26,34,36-43,49-52,58	1-17, 20-23
X	US 2003/099460 A1 (KAWASAKI MASAHIRO ET AL) 29 May 2003 (2003-05-29) paragraph '0056! paragraph '0066! - paragraph '0118!; figures 1-14	1,2,10, 12,20-23
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 07, 31 July 1996 (1996-07-31) & JP 8 065616 A (SONY CORP), 8 March 1996 (1996-03-08) abstract	13-17
X	----- ----- ----- ----- -----	1
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

23 September 2004

Date of mailing of the International search report

11/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

G11 Zamorano, A

INTERNATIONAL SEARCH REPORT

Inte
nal Application No
PCT/IB2004/001961

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 977 200 A (SONY CORP) 2 February 2000 (2000-02-02) paragraph '0092! - paragraph '0099!; figure 9 -----	3,4,11
A	US 2002/172496 A1 (YONEYAMA TAKAHISA ET AL) 21 November 2002 (2002-11-21) paragraph '0081! - paragraph '0115!; figures 1-8 -----	1,2, 12-16, 20-23
A	US 5 950 164 A (TAKAHASHI HIDETAKA) 7 September 1999 (1999-09-07) column 10, line 22 - column 12, line 7 -----	1,3
A	US 2003/028877 A1 (EVERETT TIMOTHY J ET AL) 6 February 2003 (2003-02-06) paragraph '0009! - paragraph '0016! paragraph '0031! -----	16-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int	national Application No
PCT/IB2004/001961	

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6577812	B1	10-06-2003	JP 11176096 A US 2002191855 A1 US 2003012445 A1 US 2002186961 A1 US 2003198397 A1 US 2004114819 A1 CN 1219727 A EP 0929072 A2 TW 385436 B US 6577811 B1 US 6574422 B1 JP 2000082276 A JP 3389233 B2 JP 2002150716 A JP 3389234 B2 JP 2002157836 A JP 3389235 B2 JP 2002157837 A JP 3389236 B2 JP 2002157838 A JP 3389237 B2 JP 2002157839 A		02-07-1999 19-12-2002 16-01-2003 12-12-2002 23-10-2003 17-06-2004 16-06-1999 14-07-1999 21-03-2000 10-06-2003 03-06-2003 21-03-2000 24-03-2003 24-05-2002 24-03-2003 31-05-2002 24-03-2003 31-05-2002 24-03-2003 31-05-2002 24-03-2003 31-05-2002
US 2003099460	A1	29-05-2003	WO 03046914 A2 JP 2003309806 A EP 1456844 A2		05-06-2003 31-10-2003 15-09-2004
JP 8065616	A	08-03-1996	NONE		
EP 0977200	A	02-02-2000	EP 0977200 A1 US 6469239 B1 WO 9942996 A1 US 2003056636 A1		02-02-2000 22-10-2002 26-08-1999 27-03-2003
US 2002172496	A1	21-11-2002	EP 1330123 A1 WO 0228100 A1		23-07-2003 04-04-2002
US 5950164	A	07-09-1999	JP 9097100 A JP 9179597 A JP 9179598 A		08-04-1997 11-07-1997 11-07-1997
US 2003028877	A1	06-02-2003	BR 0205813 A CN 1476719 T EP 1415465 A1 WO 03013130 A1		26-08-2003 18-02-2004 06-05-2004 13-02-2003